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CHEPUROV, N.A.

128

PHASE I BOOK EXPLOITATION SOV/6246

Soveshchaniye po tseolitam. 1st, Leningrad, 1961.

Sintèticheskiye tseolity; polucheniye, issledovaniye i primeneniye (Synthetic Zeolites: Production, Investigation, and Use). Moscow, Izd-vo AN SSSR, 1962. 286 p. (Series: Its: Doklady) Errata slip inserted. 2500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Otdeleniye khimicheskikh nauk. Komisiya po tseolitam.

Resp. Eds.: M. M. Dubinin, Academician and V. V. Serpinskiy, Doctor of Chemical Sciences; Ed.: Ye. G. Zhukovskaya; Tech. Ed.: S. P. Golub'.

PURPOSE: This book is intended for scientists and engineers engaged in the production of synthetic zeolites (molecular sieves), and for chemists in general.

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Synthetic Zeolites: (Cont.) SOV/5246

COVERAGE: The book is a collection of reports presented at the First Conference on Zeolites, held in Leningrad 16 through 19 March 1961 at the Leningrad Technological Institute imeni Lensovet, and is purportedly the first monograph on this subject. The reports are grouped into 3 subject areas: 1) theoretical problems of adsorption on various types of zeolites and methods for their investigation, 2) the production of zeolites, and 3) application of zeolites. No personalities are mentioned. References follow individual articles.

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Dubinin, M. M. Introduction 5

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SOV/6246

Synthetic Zeolites: (Cont.)

Misin, M. S., L. M. Maksimova, V. A. Litvinova, and L. B. Khandros. Production and Adsorption Properties of NaA, NaP, CaA and CaP Zeolites 135

Misin, M. S., L. M. Maksimova, V. A. Litvinova, L. B. Khandros, G. A. Polyakova, and L. S. Urin. Production and Adsorption Properties of NaX, CaX, and AgX Zeolites 143

Piguzova, L. I., A. V. Agafonov, A. S. Vitukhina, V. F. Dmitriyeva, A. T. Slepneva, V. A. Burylov, and M. A. Ghapurov. Synthesis Conditions and Thermal Stability of Type X Zeolites 152

Mirskiy, Ya. V., M. G. Mitrofanov, and T. M. Bredikhina. Ion Exchange of Na for Ca in Type A Synthetic Zeolite 167

Mirskiy, Ya. V., M. G. Mitrofanov, B. M. Popkov, L. T. Bolotov, and A. I. Mezhlumova. Production of Synthetic Zeolites Under Industrial Conditions 169

Card 3/3

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

L 20772-65 AEDC(b)/AFTC(a)
ACCESSION NR: AP5001365 S/0310/64/000/006/0028/0029

AUTHOR: Chepurnov, S. (Head of ship power plant dept)

TITLE: Choice of power requirements for main diesels on motor ships

SOURCE: Rechnoy transport, no. 6, 1964, 28-29

TOPIC TAGS: ship, diesel engine, marine engine, propeller / 6NVD-48 diesel engine

ABSTRACT: To avoid overloading the main diesels on motor ships (caused by inaccurate pitch in the screw or by other defects) a method for choosing diesel capacity is presented which uses the diesel output characteristic to determine required power capacity. With the assumptions that required propeller power is $N = C_1 n^3 H^3$ and the engine characteristic is of the form $N_x = C_2 n$, the following working formulas are derived:

$$N_p = \frac{N_a}{\sqrt{\varphi^3 \theta}};$$

$$n_p = \frac{n_{x.x}}{\sqrt{\varphi \theta}}.$$

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L 20772-65
ACCESSION NR: AP5001365

$$\psi = \frac{N_p - N_B}{N_p} \cdot 100 = \frac{1 - \sqrt{\varphi^3 \theta}}{\sqrt{\varphi^3 \theta}} \cdot 100.$$

$$n_{BE} = \frac{n_{x.H}}{\sqrt[3]{\theta}}.$$

(where N_p = engine power at an increased r.p.m. n_p; N_B = power required for propeller with pitch H_H at speed n_{xH}; $\theta = H^3/H_H^3$; H = actual pitch; $\varphi = N_B/N_{xH}$; N_{xH} = engine power at speed n_{xH}; n_{BE} = engine speed at power N_B). These equations are used to find the effect of φ and θ on the power output of diesel engine 6NVD-48 (400 hp nominal at 275 r.p.m.). It is concluded that for economical engine utilization and long engine life the engine capacity should be calculated with utilization coefficient $\Phi = 0.85$–0.95 and an appropriate pitch deviation coefficent θ. Orig. art. has: 8 formulas, 1 figure, and 1 table.
ASSOCIATION: Kafedra sudovy*kh silovy*kh ustanovok GIIVTa (Department of Marine Power Plants of the GIIVTa)
SUBMITTED: 00 ENCL: 00
SUB CODE: PR NO REF SOV: 000 OTHER: 000
Card 2/2

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5"

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GOLOTA, YA.A., kand. biol. nauk; CHEPUROVA, K.P., doktor vet. nauk, red.

[Swine erysipelas and measures for its control in the Ukraine] Rozha svinei i mery bor'by s nei na Ukraine. Kiev, Gos.izd-vo sel'khoz. lit-ry USSR, 1962. 186 p. (MIRA 16:4)
(Ukraine—Erysipeloid)

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14(3) 22(3) SOV/176-58-7-3/17

AUTHOR: Chepuryayev, P., Lieutenant Colonel

TITLE: A Company's Performance in Equipping a Control Point at Night (Deystviya roty po oborudovaniyu punkta upravleniya noch'yu)

PERIODICAL: Voyenno-inzhenernyy zhurnal, 1958, Nr 7, pp 11-14 (USSR)

ABSTRACT: The author describes the performance of the company commanded by Captain P.A. Volk in constructing 7 corrugated iron shelters, digging 1200 linear meters of trenches with connecting passages, and building 12 covers for M.T. at night. The timber required for the ferro-concrete and corrugated iron structures was prepared in advance, as were also signals and lighting equipment. At 1200 hrs the Company assembled with 2 bulldozers, trench excavators, 1 generator, autocranes, 4 ZIL-150 trucks, trench instruments, fuel, provisions, etc. At 1800 hrs the commander of the parent unit

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SOV/176-58-7-3/17

A Company's Performance in Equipping a Control Point at Night

together with the company commander inspected the area and gave orders to carry out the work. At 1900 hrs the company commander together with the platoon and section commanders inspected the area and apportioned the work among the 3 platoons of the company. At 2100 hrs the company began working. The author describes the work in detail. A sketch of the bulldozer's work in a trench is given. The work was completed in 8 hours. Each shelter took about 2-2 1/2 hrs to complete, or 6 shelters in 4 hours, working simultaneously. There is 1 sketch.

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CHEPURYAYEV, P., podpolkovnik

Engineer support of an offensive in the mountains. Voen.vest. 42 no.9:54-55 S '62. (MIRA 15:8)
(Military field engineering) (Mountain warfare)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHEPUSHTANOV, G. V. Engineer

"Work Done in the Field of Gas-flame Metal Working at Uralkhimmashzavod."

Paper presented at the Sverdlovsk Regional Conf. on Gas-Flame Metal Working and Electric-Gas Processes, Sverdlovsk, 14-16 May 1958 sponsored by VNIIAvtogen.

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERVONYY, A., polkovnik, doktor tekhn.nauk; KORENEV, M., inzhener-podpolkovnik

Evaluating the effectiveness of fire. Voen. vest. 42 no.1: 77-81 Ja '63. (MIRA 17:4)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHEPYAKOV, V.D.

Complicated pancreatic cyst. Vrach. delo no.8:104 Ag '60.
(MIRA 13:9)

1. Kiyevskiy nauchno-issledovatel'skiy rentgeno-radiologicheskiy i onkologicheskiy institut.

(PANCREATIC CYSTS)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHEPYZHENKO, A. V.

"Analysis and Method of Calculation of Consumption Norms of Basic Materials on Construction Operations Whose Planned Cost is One Million Rubles." Cand Tech Sci, Central Sci-Res Inst of Construction Industry, TsNIPS, Moscow, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (13)
SO: Sum. No. 598, 29 Jul 55

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CHEPYZHENKO, A. V.

4399. CHEPYZHENKO, A. V. I GALKIN, I. G. -- Kamennyye raboty. (uchebnik dlya izd stroit. prom-sti). Kaunas, uchpedgiz, 1954. 164 s. s ill. 22 sm. 2.000 ekz. 3r. 85k. V per.--Bibliogr: S. 161--Na litov. yaz.--(54-57058)
693.1/2 & (016/3)

SO: Knizhnaya Letopsis', Vol. 1, 1955

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BUKSHTEYN, D.I.; PINTEL', S.I.; CHEPYZHENKO, A.V.; KRIVTSOV, V.I., red.; KUZ'MIN, V.A., red.; SHILLING, V.A., red.izd-va; BELOGUROVA, I.A., tekhn.red.

[Methods of establishing standards for the expenditure of materials in construction] Metody normirovaniia material'nykh resursov v stroitel'stve; stenogramma lektsii. Leningrad, 1961. 19 p. (MIRA 14:7)

(Building materials--Standards)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

BELYAVSKIY, I.Yu., inzhener; CHERPYZHEV, B.F., inzhener.

Using silica gel to conserve steam boilers. Zhel.der.transp.37 no.4: 82-83 Ap '56. (Locomotive boilers) (MLRA 9:7)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

MART'YANOV, M.M.; BELYAVSKIY, I.Yu.; CHEPYZHEV, B.F.

Increasing the role of chemicotechnical laboratories of the railroad system. Khel.dor.transp. 37 no.6:24-28 Je '56.(MLRA 9:8)
(Railroad research)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

SEVAST'YANOV, S.I., kandidat tekhnicheskikh nauk; CHEPYZHEV, B.F., redaktor; KHITROV, P.A., tekhnicheskiy redaktor.

[Water treatment in boilers] Vnutrikotlovaia obrabotka vody. Moskva, Gos.transp.zhel-dor. izd-vo, 1956. 90 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no. 125). (MLRA 9:10)
(Locomotive boilers)

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CHEPYZHEV, B.F.

ALFEROV, A.A.; ARTEMKIN, A.A.; ASHKENAZI, Ye.A.; VINOGRADOV, G.P.; GALEYEV, A.U.; GRIGOR'YEV, A.N.; D'YACHENKO, P.Ye.; ZALIT, N.N.; ZAKHAROV, P.M.; ZOBNIN, N.P.; IVANOV, I.I.; IL'IN, I.P.; KMETIK, P.I.; KUDRYASHOV, A.T.; LAPSHIN, F.A.; MOLYARCHUK, V.S.; PERTSOVSKIY, L.M.; POGODIN, A.M.; RUDOY, M.L.; SAVIN, K.D.; SIMONOV, K.S.; SITKOVSKIY, I.P.; SITNIK, M.D.; TETEREV, B.K.; TSETYRKIN, I.Ye.; TSUKANOV, P.P.; SHADIKYAN, V.S.; ADELUNG, N.N., retsenzent; AFANAS'YEV, Ye.V, retsenzent; VLASOV, V.I., retsenzent; VOROB'YEV, I.Ye., retsenzent; VORONOV, N.M., retsenzent; GRITCHENKO, V.A., retsenzent; ZHEREBIN, M.N., retsenzent; IVLIYEV, I.V., retsenzent; KAPORTSEV, N.V., retsenzent; KOCHUROV, P.M., retsenzent; KRIVORUCHKO, N.Z., retsenzent; KUCHKO, A.P., retsenzent; LOBANOV, V.V., retsenzent; MOROZOV, A.S., retsenzent; ORLOV, S.P., retsenzent; PAVLUSHKOV, E.D., retsenzent; POPOV, A.N., retsenzent; PROKOF'YEV, P.F., retsenzent; RAKOV, V.A., retsenzent; SINEGUBOV, N.I., retsenzent; TERENIN, D.F., retsenzent; TIKHOMIROV, I.G., retsenzent; URBAN, I.V., retsenzent; FIALKOVSKIY, I.A., retsenzent; CHEPYZHEV, B.F., retsenzent; SHEBYAKIN, O.S., retsenzent, SHCHERBAKOV, P.D., retsenzent; GARNYK, V.A., redaktor; LOMAGIN, N.A, redaktor; MORDVINKIN, N.A., redaktor; NAUMOV, A.N., redaktor; POBEDIN, V.F., redaktor; RYAZANTSEV, B.S., redaktor; TVERSKOY, K.N., redaktor; CHEREVATYY, N.S., redaktor; ARSHINOV, I.M., redaktor; BAKELYAN, V.B., redaktor; BERNGARD, K.A., redaktor; VERSHINSKIY, S.V., redaktor; GAMBURG, Ye.Yu., redaktor; DNRIBAS, A.T., redaktor; DOMBROVSKIY, K.I., redaktor; KORNEYEV, A.I., redaktor; MIKHEYEV, A.P., redaktor

(Continued on next card)

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ALFEROV, A.A. ---- (continued) Card 2.
MOSKVIN, G.N., redaktor; RUBINSHTEYN, S.A., redaktor; TSYPIN, G.S., redaktor; CHERNYAVSKIY, V.Ya., redaktor; CHERNYSHEV, V.I., redaktor; CHERNYSHEV, M.A., redaktor; SHADUR, L.A., redaktor; SHISHKIN, K.A., redaktor

[Railroad handbook] Spravochnaia knizhka zheleznodorozhnika, Izd. 3-e, ispr. i dop. Pod obshchei red. V.A.Garnyka. Moskva, Gos. transp.zhel-dor. izd-vo, 1956. 1103 p. (MLRA 9:10)

1. Nauchno-tekhnicheskoye obshchestvo zheleznodorozhnogo transporta. (Railroads)

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CHEPYZHEV, B.F., otv. za vypusk; GROMOV, Yu.V., tekhn. red.

[Instruction for workers of technochemical laboratories testing the quality and use of petroleum products in locomotives and diesel and electric trains] Instruktsiia dlia rabotnikov khimiko-tekhnicheskikh laboratorii po kontroliu kachestva i primeneniia nefteproduktov na lokomotivakh, dizel'-poezdakh i elektrosektsiiakh. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 55 p. (MIRA 15:4)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye lokomotivnogo khozyaystva. (Lubrication and lubricants—Testing)
(Motor fuels—Testing)

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FILATOV, E.S.; NESMEYANOV, An.N.; CHEPYZHEV, Yu.B.

Study of the yields of the reaction Br^{81} (,)Br^{82} in the system CH_2Br_2 - C_6H_6. Vest.Mosk.un. Ser.2:Khim. 18 no.6:45-46 N-D '63. (MIRA 17:4)

1. Kafedra radiokhimii Moskovskogo universiteta.

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FILATOV, E.S.; NESMEYANOV, An.N.; CHEPYZHEV, Yu.B.

Reactions of hot bromine atoms in liquid binary systems. Radiokhimiia 6 no.5:595-604 '64. (MIRA 18:1)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHER, A.; LENARD, F.

Quantities in mathematics. Mat. v shkole no.3:43-47 My-Je '59.
(MIRA 12:9)

1.Nauchno-issledovatel'skiy institut pedagogiki, Budapesht.
(Mathematical physics)

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L 00770-66 EWT(l)/EWP(e)/EWP(m)/EWP(i)/FCC/T/EWP(t)/EWP(b)/EWA(c) IJP(c)
JD/JG/JAJ/WH

ACCESSION NR: AP5012556 UR/0181/65/007/005/1447/1454

AUTHOR: Belyustin, A. A.; Ostanevich, Yu. M.; Pisarevskiy, A. M.; Tomilov, S. B.; Wu, Pai-shih; Cher, L.

TITLE: The Mossbauer effect in alkali-iron-silicate glasses

SOURCE: Fizika tverdogo tela, v. 7, no. 5, 1965, 1447-1454

TOPIC TAGS: Mossbauer effect, emission line, glass property, silicate glass, line splitting

ABSTRACT: The authors investigated the Mossbauer effect with the aid of apparatus with sinusoidal motion, described briefly elsewhere (ZhETF v. 46, 482, 1964). The source was Co^{57}, introduced by diffusion into metallic chromium. The width of the emission line was 0.35 mm/sec, and the position of the emission line practically coincided with the absorption line of stainless steel. The absorbers were powdered glass pressed together with small amounts of MgO. All the measurements were made at room temperature. Various compositions of glass were investigated. Values were obtained for the main parameters of the Mossbauer spectra (line width, chemical shift, quadrupole splitting). It is shown that the form of the Mossbauer spectra is governed by the main features of the structure and chemical composition of the glasses. The ratios of the different valence and structural states of iron in the

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ACCESSION NR: AP5012556

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glass are obtained as functions of the Fe_2O_3 concentration in the glass and of the amount and nature of the alkali iron. It is shown that the Mossbauer effect can be used to detect iron oxides colloidally dispersed in glass. "The authors thank A. N. Murin and Docent M. M. Shul'ts, who stimulated their interest in this topic, and also A. I. Sekirin, V. I. Khlusov, L. A. Marshak, and G. V. Filomenko for help with the measurements." Orig. art. has: 7 figures, 7 formulas, and 2 tables.

ASSOCIATION: Ob"yedinennyy institut yadernykh issledovaniy (Joint Institute of Nuclear Research); Leningradskiy gosudarstvennyy universitet (Leningrad State University)

SUBMITTED: 07Dec64 ENCL: 00 SUB CODE: SS

NR REF SOV: 010 OTHER: 008

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

BANKOVSKIY, Yu.A.; CHERA, L.M.; IYEVIN'SH, A.F. [Ievins, A.]

Analytical application of 8-mercaptoquinoline (thioxine) and its derivatives. Report No.25: Solubility in water and the extraction range of 8-mercaptoquinoline in the system water - organic solvents. Zhur. anal. khim. 18 no.5:555-561 My'63. (MIRA 17:2)

1. Institute of Chemistry, Academy of Sciences, Latvian S.S.R., Riga.

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BANKOVSKIY, Yu.A.; CHERA, L.M.; IYEVIN'SH, A.F. [Ievins, A.]

8-Mercaptoquinoline (thioxine) and its derivatives. Report No.28: Absorption spectra and the state of 8-mercaptoquinoline in solutions. Zhur.anal.khim. 18 no.6:668-686 Je '63. (MIRA 16:9)

1. Institut khimii Akademii nauk Latviyskoy SSR, Riga.
(Quinolinethiol--Absorption spectra)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

ACCESSION NR: AP4009722 S/0075/64/019/001/0048/0053

AUTHOR: Bankovskiy, Yu. A.; Chera, L. M.; Iyevin'sh, A. F.

TITLE: Study of 8-mercaptoquinoline(thioxine) and its derivatives. Report No. 29. Application of thioxine for extractive purification of reagents by removing heavy metal admixtures

SOURCE: Zhurnal analiticheskoy khimii, v. 19, no. 1, 1964, 48-53

TOPIC TAGS: 8-mercaptoquinoline, thiooxine, purification, heavy metal trace removal, thioxine oxidation, purification pH, coprecipitation, 8,8'-diquinolyldisulfide

ABSTRACT: Thioxine, when used as the sodium salt, forms stable, water-insoluble, complex salts with heavy metal ions which can then be removed by organic extractants. By varying the acidity selective extraction can be achieved, and the thioxine excess is removed together with the thiooxinates. Thioxine is practically and quantitatively extracted between pH 2-8.4; and at a pH 5.2 of a 10:1 chloro-

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ACCESSION NR: AP4009722

form-water mixture, 1/1000 of the initial thioxine will remain in the water layer after 2 extractions, 1/30,000 after 3. By increasing thioxine excess, the pH interval may be significantly broadened. Conditions for removing each of the various metals are listed. Thioxine may be used for all heavy metals which do not form stable sulfides in aqueous solutions, also for uranyl salts in a weakly acidic medium, and for purifying many organic substances soluble in water and insoluble in the usual organic solvents. The sodium introduced with thioxine is removed by subsequent crystallization. Purification to 10^{-8} - 10^{-9}% is possible. The procedure is described. Instead of extraction, coprecipitation and subsequent filtration may be used by oxidizing thioxine in alkaline solution to 8,8'-diquinolyldisulfide. Orig. art. has: 2 figures.

ASSOCIATION: Institut khimii Akademii nauk Latviyskoy SSR, Riga (Institute of Chemistry of the Academy of Sciences of the Latvian SSR)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERA, Milan, ing.

Radar PPI display. Slaboproudy obzor 22 no.6:329-333 Je '61.
(EEAI 10:9)

1. TESLA Hloubetin, n.p., vyskumne pracoviste Praha-Nusle.

(Radar)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERABAYEV, A.A., gornyy inzhener

Profitable operations of "Osnovnaia" Mine No.15 of the Snezhnianantratsit Trust. Ugol' 35 no. 4:60 Ap '60. (MIRA 14:4)

1. Nachal'nik shakhty No 15 "Osnovnaya" tresta Snezhnyanantratsit. (Donets Basin--Coal mines and mining)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERAMISINOVA, Ye. A.,

"The Paleography of the Neva Depression According to Research Studies on the Mga River,"

report presented at the Conference on the Paleogeography, Quaternary Geology and Geomorphology of the North-West European Part of the USSR, 24-25 March 1958.

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CHERANEV, P.Ye.

Organization of the preparation of passenger trains for a trip. Zhel.dor.transp. 47 no.4:59-60 Ap '65. (MIRA 18:6)

1. Nachal'nik Permskogo rezerva provodnikov Sverdlovskoy dorogi.

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

PONOMAR'OV, S.G. [Ponomar'ov, S.H.], kand.tekhn.nauk; OLEYNIK, M.M. [Oliinyk, M.M.]; CHERANOVSKAYA, S.B. [Cheranovs'ka, S.B.]

Synthetic adhesives for the gluing-on of leather on the glass plate. Leh.prom. no. 4:53-55 O-D '63. (MIRA 17:5)

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T

Country : Rumania
Category : Human and Animal Physiology, Physical Factors

Abs. Jour. : Ref Zhur Biol, No. 2, 1959, No. 8613

Author : Huttmann A.; Chiranu M., Cindea V., Cherase C.
Institut. : --
Title : The Effect of Meterological Factors on the Lactacidopectic Capacity of Blood Serum.

Orig Pub. : Studii si cercetari fiziol. Acad. RPR, 1957, 2, No. 1-2, 161--174

Abstract : no abstract

Card: 1/1

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L 57555-65 EWT(l)/EPA(s)-2/EWT(m)/EWP(w)/EPF(c)/EPF(n)-2/EWA(d)/EPR/EEC(t)/T/EWP(t)/EWP(b)/EWA(c) Pt-7/Pu-4/Pl-4 IJP(c) JD/JG/GG

ACCESSION NR: AP5016147 UR/0048/65/029/006/1026/1031

AUTHOR: Kraynik,N.N.; Kuchua,N.P.; Bereznnoy,A.A.; Tutov,A.G.; Cherashchenko,A.Yu.

TITLE: Dielectric properties and structure of some bismuth ferrite solid solutions /Report, 4th All-Union Conference on Ferroelectricity held in Rostov-on-the-Don 12-18 Sept 1964/

SOURCE: AN SSSR.Izvestiya.Ser.fizicheskaya,v.29,no.6,1965, 1026-1031

TOPIC TAG:S ferroelectricity, antiferroelectricity, bismuth inorganic compound, ferrite, solid solution, phase transition

ABSTRACT: Solid solutions of $BaFe_{0,5}Nb_{0.5}O_3$ and $LaFeO_3$ in $BiFeO_3$ were investigated with the aim of determining whether $BiFeO_3$ is ferroelectric or antiferroelectric. The solutes were chosen because their structure factors differ considerably and in opposite senses from that of $BiFeO_3$ and changes of structure factor oppositely affect the stability of ferroelectric and antiferroelectric phases. The materials were prepared by the usual ceramic techniques. A small amount of the

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ACCESSION NR: AP5016147

Fe in the $LaFeO_3$ was replaced by Mn to reduce the electrical conductivity. X-ray structure analyses and dielectric constant measurements were performed at temperatures up to 750°C and the results are discussed. A transition from rhombohedral to pseudocubic structure occurred in the $BiFeO_3$-$BaFe_{0.5}Nb_{0.5}O_3$ system at from 20 to 25 mole percent $BaFe_{0.5}Nb_{0.5}O_3$. The pseudocubic phase is believed to be ferroelectric because of the smeared phase transition to the paraelectric phase, but this could not be definitely established owing to the low dielectric strength of the materials at high temperatures. The dielectric constants were measured at 70 megacycle/sec because of the high conductivity of the samples. The dielectric constant versus temperature curves are rather complex and show a number of maxima that are ascribed to phase transitions. No dielectric anomalies were observed in the neighborhood of the Neel point. Antiferroelectric phases were identified in both systems, and from an extrapolation of the transition temperatures to the paraelectric states it is concluded that $BiFeO_3$ is antiferroelectric with a transition temperature between 800 and 900°C. "In conclusion, we consider it our pleasant duty to thank F.A.Smolenskiy for his constant interest in the work, I.G.Is-

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ACCESSION NR: AP5016147

mailzade for performing the x-ray analysis of one of the systems, and V.V.Zhdanova for acquainting us with the results of her dilatometric measurements." Orig.art.has: 3 figures.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: SS,EM

NR REF SOV: 022 OTHER: 004

Card 3/3

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

OLEYNIK, N.N. [Oliinyk, M.M.]; PONOMAREV, S.G. [ponomar'ov, S.H.], kand. [illegible]. nauk; GRISHILO, V.F. [Hryshylo, V.F.]; LYSENKO, G.N. [Lysenko, H.P.]; CHERANOVSKAYA, S.B. [Cheranovs'ka, S.B.]

Color coating of grain-side and refined leather. Leh. prom. no.1:41-43 Ja-Mr '65. (MIRA 18:4)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERAVINA, I. A.

6958. Photosynthetic equipment in various groups of plants in relation to their environments. B. A. Rubin and I. A. Cheravina. *Vestn. Mosk. Univ.*, 1955, No. 3, 101—107; *Referat. Zh. biol. Khim.*, 1956, Abstr. No. 15565.—In daylight the total content of pigments in 10-day seedlings of winter wheat was higher than in those of spring wheat. The content of carotenoids in winter wheat was 0·268 mg./g. of moist leaves; in spring wheat 0·237 mg./g. The proportion of green pigments to yellow was appreciably higher in winter (5·4) than in spring (4·2) wheat. Exposure of the spring wheat plants to blue light led to increase of oxygen absorption and raising of the ratio xanthophyll : carotene. In winter wheat plants this was not shown. (Russian) T. R. PARSONS

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERPAKOV, V. F.

W/5
806.34
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CHERPAKOV, V F

Sudebnomeditsinskaya deontologiya; lektsiya (Forensic-medical deontology; a lecture on forensic-medical ethics) Moskva, Medgiz, 1957.

15, (1) P.

"Literatura": P. (16)

At head of title: Moscow, Meditsinskiy Institut.

MEA

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERBAN, S.

MILKU, Sh.M. [Milcu, S.M.] (Bucharest); MAKSIM-BERCHA, I. [Maxim-Berga, I.] (Bucharest); MEYKENESKU-ANGEL, M. [Meikenescu-Angel, M.] (Bucharest); TEODORESKU, E. [Theodorecu, M.] (Bucharest); CHERBAN, S. (Bucharest)

Studies on the higher nervous activity using conditioned vascular reflexes in cases of insufficiency of male gonads before and after testosterone therapy [with summary in English, p.124]. Probl.endok. i gorm. 3 no.3:3-17 My-Je '57. (MIRA 10:10)

(TESTES, diseases,
agenesis, testosterone ther., conditioned vasc. reflexes before & after ther. (Rus))
(TESTOSTERONE, therapeutic use,
testicular agenesis, conditioned vasc. reflexes before & after ther. (Rus))
(REFLEX, CONDITIONED,
conditioned vasc. reactions before & after testosterone ther. of testicular agenesis as index of higher nervous activity (Rus))

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

89137

9,2586

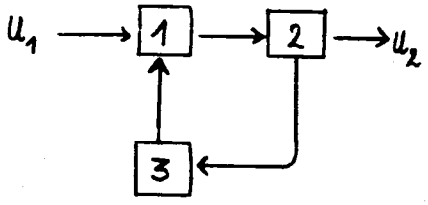
S/108/61/016/002/010/011
B107/B212

AUTHORS: Il'nitskiy, L. Ya., Cherbetsov, V. V., Members of the Society of Radio Engineering and Electric Communication

TITLE: A pulse generator with a repetition period that is direct proportional to the control voltage

PERIODICAL: Radiotekhnika, v. 16, no. 2, 1961, 71-73

TEXT: This paper describes a complete new type of pulse generator, its period is direct proportional to the control voltage. The circuit consists mainly of a capacitor, its charging curve is linear to the control voltage U_1 (Block 1).



When this voltage has been reached, a short pulse is emitted by Block 2, it opens the electronic key (Block 3). Now, the capacitor is discharged and the whole process starts again. C_1 is charged linearly over a constant resistance R_1 which is connected to a

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89137

A pulse generator with a repetition ... S/108/61/016/002/010/011
B107/B212

source with a constant voltage E. The rate of charge is: $v = \frac{E}{R_1 C_1}$, and the charging duration $T_A = \frac{U_1}{v} = U_1 \frac{R_1 C_1}{E}$. The length of the pulse generator period is $T = T_A + T_I$ (T_I is the duration of the short pulse emitted from Block 2). T_I has to be kept small with respect to T_A. Fig. 3 shows a circuit diagram of such a generator. Experimental data show a very linear behavior for U_1 between 30 and 100 v and for T between 1 and 3 seconds. There are 4 figures and 1 Soviet-bloc reference.

SUBMITTED: July 7, 1960 (initially)
October 10, 1960 (after revision)

Card 2/ 5

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A pulse generator with a repetition ... S/108/61/016/002/010/011
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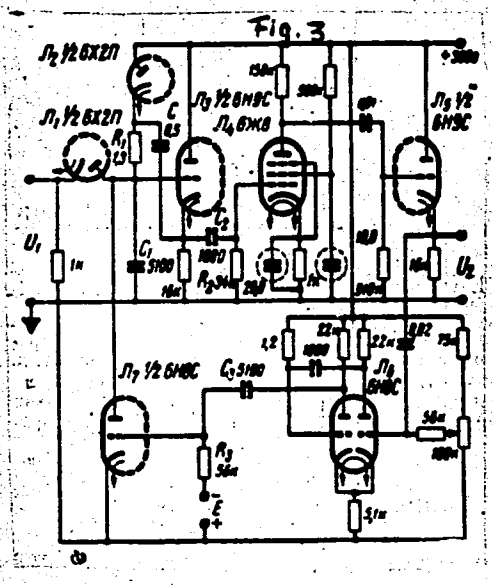

Fig. 3

Legend and explanation to Fig. 3: Control voltage U_1 is applied to the cathode of diode $Л_1$. The circuit for linear charging of the capacitor C_1 consists of a cathode follower connected to the valve $Л_3$, a positive feedback circuit with a capacitor C and a charging diode $Л_2$. The capacitor C_1 is charged by the plate voltage over the diode $Л_2$ and the resistance R_1; the charging curve is kept linear, since there is a strong feedback from the cathode follower $Л_3$. The non-linearity of the charging is the smaller, the less C can be discharged while C_1 is charged; this is obtained by

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choosing $C \gg C_1$ and $R_1 \gg T_A$. The expression for the voltage at C_1 is now:

$$u_c = \frac{E}{R_1 C_1}\left[t - \frac{(1-K)}{R_1 C_1}\frac{t^2}{2!} + \frac{(1-K)^2}{(R_1 C_1)^2}\frac{t^3}{3!} - \ldots\right]. \qquad (4)$$

where K is the amplification factor of the cathode follower. For K = 1 the charging voltage of the capacitor is a linear function of time. After the voltage on the capacitor C_1 has reached a value U_1, the diode Π_1 will open and the voltage stops to increase. Now, a distinct cutoff is formed in the linear increasing voltage, which causes a pulse at the output of the differentiating element R_2C_2. The pulse is amplified by the valve Π_4 and released over the cathode follower Π_5 the monostable multi-vibrator Π_6. Positive pulses of the multi-vibrator get to the grid of a key Π_7 which is normally closed, and open it and cause the instantaneous discharge of the capacitor C_1. Now, the cycle starts over again. The pulse period which can be tapped off the cathode follower Π_5 or from the

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slave multi-vibrator $\mathcal{A}_6$ is direct proportional to the control voltage U_1. In order to keep the duration of the opening pulse T_I as short as possible the pulses of the slave multi-vibrator are differentiated by the element R_3C_3.

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERBOVA, M.A.

Energy metabolism in Botkin's disease and chronic hepatitis.
Terap. arkh. 30 no.7:52-57 Jl'58 (MIRA 11:8)

1. Iz kliniki fakul'tetskoy terapii (dir. - prof. L.A. Varshamov) i kafedry biologicheskoy khimii (zav. - prof. N.N. Ivanovskiy) Saratovskogo meditsinskogo instituta.
(HEPATITIS, INFECTIOUS, metabolism,
(Rus))
(HEPATITIS, metabolism,
(Rus))

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERBOVA, N. A.: Master Med Sci (diss) -- "Energy exchange in Botkin's disease, chronic hepatitis, and cirrhosis of theliver". Saratov, 1959. 12 pp (Min Health RSFSR, Saratov State Med Inst), 200 copies (KL, No 15, 1959, 120)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

28063 S/137/61/000/004/036/039
A056/A101

18.3100

AUTHORS: Bychkov, Yu. F., Rozanov, A. N., Gromov, B. I., Cherbukov, V. I.

TITLE: Laboratory installation for vacuum distillation of lithium with the filling of the crucible

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 4, 1961, 50, abstract 4I399 (V sb. "Metallurgiya i metallovedeniye chistykh metallov". no. 2, M., Atomizdat, 1960, 171-177)

TEXT: The schematic diagram of a distiller for obtaining Li is described. Its operating conditions are as follows: The vaporization temperature of electrolysis crude lithium is such, that Li itself and the more volatile components (K and Na) are sublimated, while the less volatile (Fe and Ni) remain in the evaporator; the condenser temperature is fixed so that Li, precipitating at liquid state, should flow into the crucible, while the more volatile components should vaporize and precipitate only in the colder parts of the distiller. The processing is effected under a pressure of 10^{-4} mm Hg. The purity of Li attains 99.96%.

I. N.

[Abstracter's note: Complete translation]

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

MANDAKE, F., [Mandache, F.], dotsent; PRODESKU, V. [Prodescu, V.]; KALOINESKU, M. [Caloinescu, M.]; CHERBULESKU, K. [Cherbulescu,K.].

Surgical treatment of cardiospasm (extramucosal thoracoabdominal partial esophagocardiectomy). Khirurgiia 39 no.6:10-17 Je '63. (MIRA 17:5)

1. Iz khirurgicheskoy kliniki (dir. - dotsent F. Mandake) [Mandache,F.] Bukharestskoy klinicheskoy bol'nitsy Brynkovenesk.

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERBYANOVA, L. F., POLIKARPOCHKIN, V. V., KAS'YANOVA, I. V., UTGOF, A. A.

"Geochemical Exploration for Polymetallic Ore Deposits in the Waters and Silts of East Zabaykal'ye Water Systems"

(New Developments in the Methods and Techniques of Geological Exploration) Leningrad, Gostoptekhizdat, 1958. 423 p. (Series: Its: Sbornik trudov I)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERBYAVSKIY, V.T.

Equipment, apparatus, instruments. Zhivotnovodstvo 21 no.11:74-75 N '59 (MIRA 13:3)

1. Starshiy vetvrach Poltavskoy gosudarstvennoy stantsii po plemennomu delu i iskusstvennomu osemeneniyu sel'skokhozyaystvennykh zhivotnykh.
(Artificial insemination) (Veterinary instruments and apparatus)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERCEA, Gh., ing.

Results of imperfect calculation of heat transmission in the furnaces of steam boilers fueled with natural gas and the possibility of improvement. Energetica Rum 12 no.9:480-482 S '63.

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERCHENKO, G. V., NIKOLAYEV, V. M. [redacted] BEZRUKOV, Ya. G. and BELOUSOV, V. I.

"The Determination of the Pressure of Saturated Petroleum Crudes in Strata."

report presented at the 6th Sci. Conference on the Application of Ultrasound in the investigation of Matter, 3-7 Feb 1958, organized by Min. of Education RSFSR and Moscow Oblast Pedagogic Inst. im N. K. Krupskaya.

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERCHENKO, G.V.

Studying physical and physicochemical properties of petroleums in the central Volga Valley. Trudy Giprovostoknefti no.1:234-250 '58. (MIRA 13:9)

(Volga Valley--Petroleum geology)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERCHENKO, G.V.

Studying changes in the density of oil reservoirs in the central Volga Valley as related to bedding depths and geological age of enclosing rocks. Trudy Giprovostoknefti no.1:251-269 '58. (MIRA 13:9)

(Volga Valley--Petroleum geology)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERCHENKO, G.V.

Gases in oil fields of the central Volga Valley. Trudy Giprovostoknefti no.1:269-277 '58. (MIRA 13:9)
(Volga Valley--Gas, Natural)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERCHENKO, G. V.

45

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Vserossiyskaya konferentsiya professorov i prepodavateley pedagogicheskikh institutov

Primeneniye ul' traakustiki k issledovaniyu veshchestva. vyp. 10. (Utilization of Ultrasonics for the Investigation of Materials. no. 10) Moscow, Izd-vo MOPI, 1960. 321 p. 1000 copies printed.

Eds.: V. F. Nozdrev, Professor, and B. B. Kudryavtsev, Professor.

PURPOSE: This book is intended for physicists and engineers interested in ultrasonic engineering.

COVERAGE: The collection of articles reviews present-day research in the application of ultrasound in medicine, chemistry, physics, metallurgy, ceramics, petroleum and mining engineering, defectoscopy, and other fields. No personalities are mentioned. References accompany individual articles.

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

Martynov, Ye. G., and A. K. Matveyev [Geologich. fak-t MGU - Geology Department of Moscow State University]. The Acoustic Anisotropy of Mineral Coals in Different Stages of Metamorphism 147

Cherchenko, G. V., V. M. Nikolayev, Ye. T. Bezrukov, and V. I. Belousov [Giprovostok neft' - State Institute for the Design and Planning of Petroleum Industry Establishments in the Eastern Regions]. First Results of the Use of the Ultrasonic Method in Determining the Saturation Pressure of Stratified Petroleum in Sredneye Povolzh' ye 157

Savinikhina, A. V. [Neftegazobyy n.-i. in-t. - Petroleum Gas Scientific Research Institute]. Ultrasonic Method of Determining the Temperature of the Onset of Crystallization of Paraffin 163

Mednikov, Ye. P. [ITI AN SSSR]. On the Theory of the Acoustical

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERCHENKO, G.V.; OL'SHANSKIY, K.M.

Effect of pressure and temperature on the solubility of gas mixtures in oils of the middle Volga Valley according to data on multiple degasification of subsurface samples. Trudy Giprovostoknefti no.3: 327-332 '61. (MIRA 14:12)

(Volga Valley--Oil reservoir engineering)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERCHENKO, G.V.

Using the results of measuring the density of degassed oil as a criterion of its quality in geochemical research. Trudy Giprovostoknefti no.3:333-337 '61. (MIRA 14:12)
(Petroleum--Density) (Geochemical prospecting)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERCHENKO, G.V.; KAPTEL', O.I.; KUZNETSOV, Ye.L.; KHOZHAYLOV, N.K.

Measuring the density of formation oils. Trudy Giprovostoknefti no.3:338-352 '61. (MIRA 14:12)
(Petroleum--Density)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERCHENKO, G.V.; KAPTEL', O.I.; KUZNETSOV, Ye.L.; KHOZHAYLOV, N.K.

Measurement of the density of crude oils. Trudy Giprovostok-nefti no.3:338-352 '61. (MIRA 16:7)

(Petroleum--Density)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERCHENKO, G.V.

Method of determining the temperature of oil formation. Trudy Giprovostoknefti no.3:353-362 '61. (MIRA 14:12)
(Volga Valley--Petroleum geology)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERCHENKO, G.V.; NAZAROV, N.N.; ASTRAKHANKIN, V.A.

Determining the propagation velocity of supersonic waves in oils of the middle Volga Valley. Trudy Giprovostoknefti no.3:363-372 '61. (MIRA 14:12)

(Volga Valley--Prospecting--Geophysical methods)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308330009-5

CHERCHENKO, G.V.; NAZAROV, N.N.; ASTRAKHANKIN, V.A.

Determining the propagation velocity of ultrasonic waves in oils of middle Volga Valley. Trudy Giprovostoknefti no.3: 363-372 '61. (MIRA 16:7)

(Volga Valley—Petroleum—Analysis)
(Ultrasonic waves—Industrial applications)

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CHERCHENKO, G.V.; OL'SHANSKIY, K.M.

Component composition of gases dissolved in formation oils of the middle Volga Valley according to data of multiple degasification of subsurface samples. Trudy Giprovostoknefti no.3:391-406 '61.
(MIRA 14:12)
(Volga Valley--Oil reservoir engineering)

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CHERCHENKO, G.V.; OL'SHANSKIY, K.M.

Componential composition of gases dissolved in crude oils of the middle Volga Valley based on data from multiple degasification of subsurface samples. Trudy Giprovostoknefti no.3: 391-406 '61. (MIRA 16:7)

(Volga Valley--Petroleum--Analysis)
(Volga Valley--Gas, Natural)

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CHERCHENKO, G.V.; OL'SHANSKIY, K.M.

Results of studying the solubility of natural gas components in petroleums under the conditions of increased pressures and different temperatures. Trudy Giprovostoknefti no.4:41-60 '61. (MIRA 16:8)

(Gas, Natural) (Solubility)

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CHERCHENKO, G.V.

Composition of gases of oil fields in the middle Volga Valley.
Trudy Giprovostoknefti no.4:61-68 '61. (MIRA 16:8)
(Volga Valley--Gas, Natural--Analysis)

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ASTRAKHANKIN, V.A.; NAZAROV, N.N.; CHERCHENKO, G.V.

Measuring the speed of ultrasound in petroleums of the middle Volga Valley. Prim. ul'traakust. k issl. veshch. no.14:77-85 '61. (MIRA 14:12)

(Ultrasonic waves--Speed) (Volga Valley--Petroleum geology)

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KAPTEL', O.I.; KUZNETSOV, Ye.L.; KHOZHAYLOV, N.K.; CHERCHENKO, G.V.

Float-type device for measuring the density of pressurized liquids using the ultrasonic method for fixing the position of the float. Prim. ul'traakust. k issl. veshch. no.14:323-336 '61. (MIRA 14:12)
(Ultrasonic waves--Industrial applications)
(Sound--Apparatus)

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ACCESSION NR: AR4048180 S/0081/64/000/009/P041/P041

SOURCE: Ref. zh. Khimiya, Abs. 9P290

AUTHOR: Cherchenko, G. V., Panafidin, V. V., Zhuvagin, V. G.

TITLE: The UzPVT ultrasound generator for determining the volume and phase relationships in gas-liquid hydrocarbon systems

CITED SOURCE: Tr. Gos. in-t po proyektir. i issled. rabotam neftedob. prom-sti Giprovostokneft', vy*p. 6, 1963, 62-65

TOPIC TAGS: petroleum analysis, hydrocarbon system, ultrasound generator, piezo quartz transformer, blanket petroleum/UzPVT ultrasound generator

TRANSLATION: The authors describe the UzPVT ultrasound generator which makes it possible to measure the total volume and the volume of the liquid phase in hydrocarbon systems and thus, by difference, to determine the volume of the gas phase in a broad range, as well as to determine the saturation pressure of the system. The principal part of the device is a unit with a piezo-quartz transformer of high-frequency electrical impulses into ultrasound impulses. In contrast to the existing devices, the height of the fluid

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